

HDPE PANELS

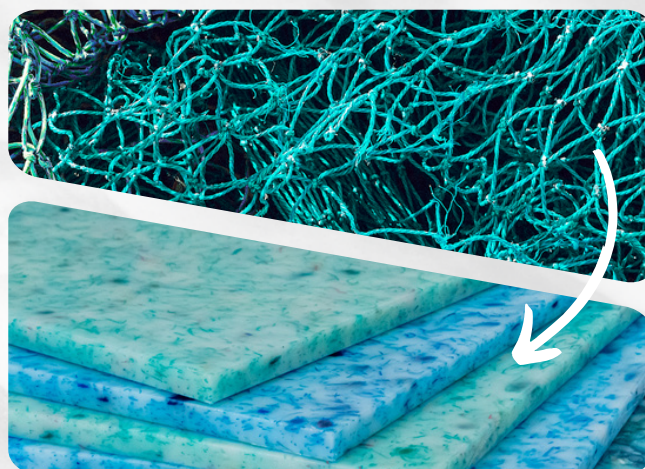


Description

Our planks are made from shredded **high-density polyethylene fishing nets**.

It is a product suitable for use outdoors due to its low moisture absorption and how easy it is to clean.

Its use is recommended, for example, in urban furniture, playgrounds, interior furniture, decoration and interior design, etc.



Properties	Units	Test Method	Value
Properties			
Density	g/cm3	ISO 1183	0.96
Water absorption until saturation in water at 23 oC	%	-	0.01
Mecanical properties at 23 o C			
Tensile stress on performance	MPa	ISO 527-1/-2	28
Tensile stress at elastic limit	%	ISO 527-1/-2	10
Nominal tensile stress at break	%	ISO 527-1/-2	>50
Elastic modulus	MPa	ISO 527-1/-2	1300
Stress at 1/2/5% nominal strain	MPa	ISO 604	12/18.5/26 .5
Flexural strength	MPa	ISO 178	27
Charpy impact resistance without notches	KJ/m2	ISO 179-1/1eU	No break
Charpy impact resistance, notched	KJ/m2	ISO 179-1/1eA	105P
Ball indentation hardness	N/mm2	ISO 2039-1	48
Shore D hardness (15s)	-	ISO 2039-2	62
Active environmental resistance (ESCR),F 50	h	MA-55-3020	>600

